

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 November 2003 (06.11.2003)

PCT

(10) International Publication Number
WO 03/090789 A1

(51) International Patent Classification⁷: **A61K 51/04**,
51/12

(21) International Application Number: PCT/US03/12603

(22) International Filing Date: 23 April 2003 (23.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02076638.2 24 April 2002 (24.04.2002) EP

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR OBTAINING A 2-18F-FLUOR-2-DEOXY-D-GLUCOSE (18F-FDG) - SOLUTION

(57) Abstract: The invention relates to a method for improving one or more physical/chemical characteristics, like reduced radiolysis of and the ability to autoclave, a 18F-fluor-deoxy-glucose (18F-FDG)-solution, which method comprises the steps of a) provision of a 18F-fluor-deoxy-glucose (18F-FDG)-solution, and b) addition of at least one buffer based on a weak acid to the 18F-fluor-deoxy-glucose (18F-FDG)-solution. The invention also relates to a method for preparing a sterile 18F-fluor-deoxy-glucose (18F-FDG)-solution by autoclaving said 18F-fluor-deoxy-glucose (FDG)-solution.